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ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)							DATE February 2000		
BUDGET ACTIVITY 7 - Operational System Development				PE NUMBER AND TITLE 0305208A Common Imagery Ground/Surface System (CIG/SS) (JMIP)				PROJECT D956	
COST (In Thousands)	FY1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
D956 Common Imagery Ground/Surface System	8585	8004	7894	8212	8288	8445	8676	Continuing	Continuing
<p>A. <u>Mission Description and Budget Item Justification:</u> This project supports the engineering development and acquisition of Army Common Imagery Ground/Surface Systems (CIG/SS). The objective of CIG/SS is to enable all systems to receive, process, exploit, and report any imagery source regardless of platform or sensor type to meet the intelligence and targeting needs of tactical commanders. The CIG/SS project provides the warfighter with an integrated and interoperable airborne reconnaissance imagery processing and exploitation capability that can be tailored for all levels of conflict. This project incorporates the Enhanced Tactical Radar Correlator (ETRAC), Modernized Imagery Exploitation System (MIES), and the imagery portion of the Tactical Exploitation System (TES). ETRAC is a C-130 drive on/off capable system that receives Advanced Synthetic Aperture Radar (ASAR) data inputs from various platforms, converts the SAR data to exploitable images, and is capable of stand-alone operations. MIES receives and exploits imagery from national and theater sources and provides intelligence reports and exploited imagery products to the field commander. ETRAC and MIES functionality are combined in the Tactical Exploitation System (TES) to be fielded beginning in FY00. Specific details are provided in the Tactical Intelligence and Related Activities (TIARA) Congressional Budget Justification Book, Volume II and the Joint Military Intelligence Programs (JMIP) Congressional Budget Justification Book, Vol. II.</p> <p>FY 1999 Accomplishments:</p> <ul style="list-style-type: none"> • 6794 Continued CIG/SS elements sustaining engineering to implement software upgrades and enhancements to maintain compatibility with changing national and tactical interfaces (ETRAC and MIES). • 1791 Continued development/enhancements/integration of CIG/SS components into TES systems. (TES) <p>Total 8585</p> <p>FY 2000 Planned Program:</p> <ul style="list-style-type: none"> • 1940 Continue CIG/SS elements sustaining engineering to implement software upgrades and enhancements to maintain compatibility with changing national and tactical interfaces (ETRAC and MIES). • 4664 Continue development/enhancements/integration of CIG/SS components into TES systems. (TES) • 1400 Modify TES systems for interoperability with the U-2 after Advanced Synthetic Aperture Radar System (ASAR) Improvement Program (AIP) upgrade. <p>Total 8004</p>									
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7 - Operational System DevelopmentPE NUMBER AND TITLE
**0305208A Common Imagery Ground/Surface
System (CIG/SS) (JMIP)**PROJECT
D956**FY 2001 Planned Program:**

- 1160 Continue CIG/SS elements sustaining engineering to implement software upgrades and enhancements to maintain compatibility with changing national and tactical interfaces (MIES).
 - 6734 Continue development/enhancements/integration of CIG/SS components into TES systems. (TES).
- Total 7894

B. Program Change Summary	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
Previous President's Budget (<u>FY 2000/2001</u> PB)	8853	8066	7943
Appropriated Value	8912	8066	
Adjustments to Appropriated Value			
a. Congressional General Reductions	-59		
b. SBIR / STTR	-234		
c. Omnibus or Other Above Threshold Reductions		-34	
d. Below Threshold Reprogramming			
e. Rescissions	-34	-28	
Adjustments to Budget Years Since <u>FY 2000/2001</u> PB			-49
Current Budget Submit (<u>FY 2001</u> PB)	8585	8004	7894

C. Other Program Funding Summary	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	To Compl	Total Cost
RDTE, A Budget Activity 5									
PE 0604766A TENCAP (TIARA)	42025	71879	57419	76674	71545	65355	65395	Cont	Cont
Other Procurement Army, OPA-2									
BZ7315 TENCAP (TIARA)	6033	4350	12853	3839	4382	1977	1975	Cont	Cont
BZ7316 CIG/SS (JMIP)	248	2778	2833	2599	2610	2653	2714	Cont	Cont
BZ7317 Tactical Surveillance System (TIARA)				22228	11166	31744	9969	Cont	Cont

D. Acquisition Strategy: As pioneers in streamlined acquisition, ASPO's success in delivering systems as those described above to warfighters can be directly attributed to an environment emphasizing stable funding, low density acquisition, minimal use of MILSPECS, and managed competition. By tailoring existing technology, leveraging the best commercial practices and using commercial and government-off the shelf software, ASPO minimizes risk while maximizing efficiency. Finally, dedicated cradle to grave Integrated Logistics Support (ILS) for TENCAP systems is accomplished through a coordinated effort by Government and contractor personnel and facilities.

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PROJECT

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E. Schedule Profile	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
Defield MIES		4 th QTR	4 th QTR				
Defield ETRAC		1 st QTR	4 th QTR				
Complete Eng. Development of TES-Forward	4 th QTR						
Complete Eng. Development of TES-Main		4 th QTR					
Field TES *		4 th QTR	4 th QTR	4 th QTR		4 th QTR	4 th QTR

* Majority of TES development is funded under PE 0604766A.

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ARMY RDT&E COST ANALYSIS (R-3)										DATE February 2000		
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I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 1999 Cost	FY 1999 Award Date	FY 2000 Cost	FY 2000 Award Date	FY 2001 Cost	FY 2001 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a. ETRAC CIG/SS	C/CPAF	Classified	*	5117	2/99	420	1/00			0	5537	
b. MIES CIG/SS	SS/CPFF	DBA, Melbourne FL	*	1677	1/99	1520	1/00	1160	1/01	0	4357	
c. TES CIG/SS *	C/CPFF	Classified	*	1791	3/99	6064	12/99	6734	11/00	** Cont	14589	
Subtotal Product Development:				8585		8004		7894			24483	
Remark: * Prior to FY 1999 these efforts were funded under PE 0305208,D. ** Majority of TES development is funded under PE 0604766A. II. Support Costs: Not applicable III. Test and Evaluation: Not applicable IV. Management Services: Not applicable												
Project Total Cost:				8585		8004		7894			24483	

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